

Indicator Light

AD-LM 12 FE-Vario

AD-LMB 12 FE-Vario

Description

The signal/fault indicator AD-LM 12 FE-Vario, for mounting at the front of the control panel, informs with 12 multicolour leds about errors or operating conditions with glowing or blinking. Because of the multicolour leds, it's not necessary to change the leds for changing the colour. So it's very easy to change the technical appliance. The AD-LM 12 Vario can catch and save short pulses at the inputs, and for resetting its possible to connect external buttons. The device comes with 24 independent inputs which are easy to allot to one or more leds. Its possible to generate a colour- change by changing the input. A keypress on the touch key at the front of the device, generates a light test for all leds (all leds white). The AD-LM 12 Vario has a RS485 bus interface, which can used for the configuration over the AD- Studio (PC). All messages can be labelled with the aid of inserted strips (i.e. paper, foil etc.). This signal/fault indicator is also available with no physical inputs as a bus version (AD-12 Vario LMB). This can be controlled by the remote terminal block AD-AB 32 or by an external master.

Application

Indicate signal/fault status of machines or plants.



Specific characteristics

- detachable terminal clamps
- multicolour leds
- configuration by PC
- 24 independent inputs
- short-circuit proof feeding voltage
- external terminal- block for hat rail available

Business data

Order number

AD-LM 12 FE-Vario standard version with physical inputs
AD-LMB 12 FE-Vario bus- version without physical inputs

Accessory

AD-AB 12/24/32 WG terminal block for hat rail available
with up to 32 inputs (only adaptable
with the bus version) see: Datasheet
AD-AB 12/24/32

Information

Downloads

Instruction manual [man-lmvario-ad-de.pdf](#)



Configuration help [sman-lmvario-ad-en.pdf](#)



Labelling template [lm12vario-beschriftung.pdf](#)

Tender text [lm12vario.zip](#)

Tender text [lmb12vario.zip](#)

Technical specifications

Active inputs

Voltage range 5 ... 30 VDC

Input resistance > 45 kOhm

Supply

Voltage range AC 50 ... 253 V AC, 50 / 60 Hz

Voltage range DC 22 ... 253 V DC

Nominal voltage AC / DC 230 V AC / 24 V

Power consumption AC / DC 7,0VA / 3,8W

Feeding voltage for contacts

Voltage 4,8 ... 5,2 V DC

Strength max. 1 mA

Relay

Max. load AC 250 V / 2 A (cos phi = 1)

Max. load DC 50 V / 0,5 A (resistive load)

Cycles AC- load ca. 100000 (cos phi = 1)

Cycles DC- load ca. 100000 (resistive load)

Housing

Dimensions (WxHxD) 144x72x71 mm

Front panel cut out 140x68 mm

Protection class panel IP 54

Protection class connection IP 20

Connection method detachable terminal clamp

Manner of fastening Panel-mount-case

Terminals, wire cross section 1,0 mm² Strand with wire end ferrule
/ 1,5 mm² one wire

Weight 260 g

Environmental conditions

Ambient temperature -10 ... 50 °C



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Technical specifications

Storage and transport -10 ... 70 °C (no condensation)

EMC

Product family standard EN 61326-1
Emitted interference EN 55011, CISPR11 Cl. B, Gr. 1

Electrical safety requirements

Product family standard EN 61010-1

RS485- Bus

Max. attendance 32
Max. length of bus 100 m
Bus termination 120 Ohm (both sites of the bus)
Wiring bus topology

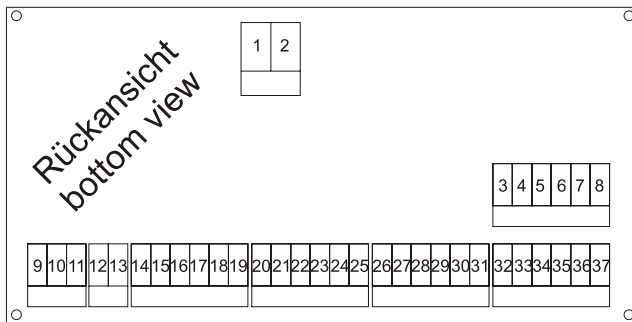
Terminal assignment

Clamp	connection name
1	supply voltage
2	supply voltage
3	contact supply
4	contact supply
5	input for light test
6	ground
7	ground
8	ground
9	relay NO
10	relay COM
11	relay NC
12	RS485 A
13	RS485 B
14	input 1
15	input 2
16	input 3
17	input 4

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input 22
input 23
input 24

Block and wiring diagram



Dimensions

